

What is claimed is:

1. A plain surface stage apparatus comprising:
a platen having a plain surface;
stationary type supports comprising at least three supporting members; and

displacement type supports, each of which supports the platen and forms a displacement type supporting point at a position other than those of supporting points formed by the stationary type supports, wherein the displacement type supports expand and contract in a direction perpendicular to the plain surface of the platen so as to be displaced, and holds a selected displaced state of the displacement type supports.

2. The plain surface stage apparatus according to claim 1, wherein the displacement type supports hold the displacement state in which the platen is supported by only the stationary type supports.

3. The plain surface stage apparatus according to claim 1, further including a movable body which is movable on the plain surface of the platen.

4. A method for making a plain surface stage apparatus, the method comprising the following steps of:

preparing platen material having a plain surface as a particular plain surface;

forming at least three supporting points on a rear side surface of the platen material by stationary type supports;

adjusting height and horizontalness of the platen material with respect to a base plate;

carrying out a plain surface process to the surface of the platen material in a state where the platen material is supported by only the stationary type supports and naturally bended by its own support,

placing, in predetermined positions, a plurality of displacement type supports whose supporting bases are in contact with the rear side surface of the platen in the state where natural bending occurs; and

forming displacement type supporting points by the displacement type supports.